



USB CopyNotify!

Client Configuration GUIDE

Client Configuration GUIDE



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Client Configuration GUIDE

Contents

Specifying Location of USB CopyNotify! Server.....	04
Block USB Access.....	06
White Listing of USB Drives (Removable Media).....	07
Disable USB Drive Monitoring.....	12
Read / Write Access Control - USB Drive Access	13
Disabling Auto Run.....	14
Configuring Save Energy Alert & Auto Shutdown.....	15
Offline Notifications.....	17
Block Email Attachment Sending Via Webmail	18
Disable CD / DVD Drives.....	19
Disable Blue Tooth Devices.....	20
Disable Modem Devices.....	21



USB CopyNotify!

Client Configuration GUIDE

USB CopyNotify! Client Configuration:

The USB CopyNotify Client can be configured in the following ways:-

The USB CopyNotify! Client can be remotely configured via the USB CopyNotify! Server – Refer to Remote Client Configuration Guide

➡ The USB CopyNotify! Client can be configured by actually executing the configuration module directly on the machine itself (locally) by double clicking on .

C:\Program Files\CygNET Systems Pvt. Ltd\USB CopyNotify!\USBCopyNotify_IPConfig.exe

Notes:

- Please ensure that only authorized personnel have administrative access as the configuration of the USB CopyNotify! Client software can be changed under Administrative Access which can compromise the security settings.
- Ensure to enable "Disallow Client Side Configuration" setting in the USB CopyNotify Server so that no unauthorized user can directly make configuration changes to the USB CopyNotify! Client Software. - Refer to Server History & Configuration Guide
- A notification is always sent to the USB CopyNotify! Server of any changes made in the configuration of the USB CopyNotify! Client Software
- Please ensure that the machine on which USB CopyNotify! Client Settings have been changed is REBOOTED for settings to take effect



USB CopyNotify!

Client Configuration GUIDE

Specifying Location of USB CopyNotify! Server

The USB CopyNotify! Client needs to know the location of the USB CopyNotify! Server so that it can send the notification/alerts to it.

Below figure shows specifying location by IP Address

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Server' section is highlighted with a red box, showing the 'IP Address' radio button selected and the text '192 . 168 . 1 . 1' entered in the adjacent text box. The 'Machine Name' radio button is unselected and its text box is empty. Below this, the 'Block USB' section has 'Unblock USB Drive' selected with a 'White List' button. The 'USB Drive Monitoring' section has 'Disable USB Drive Monitoring For -' with a 'Drive List' button. The 'USB Drive Access' section has 'Make USB Drive Read-only' unselected. The 'Disable AutoRun' section has 'Disable AutoRun' checked. The 'Save Energy Time' section has 'Select the time' set to '30 min'. The 'System Shutdown Time (24 Hour Format)' section has 'Time (Hr)' and 'Time (Min)' both set to 'None'. The 'Attachment' section has 'Block Email Attachment Sending' unselected. The 'Send Offline Message' section has 'Send offline message(s)' unselected. The 'Other Devices' section has 'Disable CD/DVD Drives', 'Disable Bluetooth Devices', and 'Disable Modem Devices' all unselected. An 'OK' button is at the bottom center.



USB CopyNotify!

Client Configuration GUIDE

Below figure shows specifying location by Machine Name

The screenshot shows the 'USB CopyNotify! Client Configuration' dialog box. The 'Server' section has two radio buttons: 'IP Address' (selected) and 'Machine Name'. The 'Machine Name' field is highlighted with a red box and contains the text 'Tornado'. Below this, there are several sections for configuring USB settings, including 'Block USB', 'USB Drive Access', 'Save Energy Time', 'Attachment', 'Other Devices', 'USB Drive Monitoring', 'Disable AutoRun', and 'System Shutdown Time'. An 'OK' button is located at the bottom center.



USB CopyNotify!

Client Configuration GUIDE

Blocking USB Access

You can also disable usage of the USB Storage Devices itself

Select Block USB as shown in the dialog box below.

The screenshot shows the 'USB CopyNotify! Client Configuration' dialog box. The 'Block USB' section is highlighted with a red box. In this section, the 'Block USB Drive' radio button is selected, and the 'White List' button is visible. Other sections include 'Server' (IP Address: 192.168.1.1, Machine Name: Tornado), 'USB Drive Monitoring' (Disable USB Drive Monitoring For: Drive List), 'USB Drive Access' (Make USB Drive Read-only), 'Disable AutoRun' (Disable AutoRun checked), 'Save Energy Time' (Select the time: 30 min), 'System Shutdown Time (24 Hour Format)' (Time (Hr): None, Time (Min): None), 'Attachment' (Block Email Attachment Sending), 'Send Offline Message' (Send offline message(s)), and 'Other Devices' (Disable CD/DVD Drives, Disable Bluetooth Devices, Disable Modem Devices). An 'OK' button is at the bottom.

Explanation

Now every time a USB device is inserted, it will automatically get blocked and a notification of the same will be sent.



USB CopyNotify!

Client Configuration GUIDE

White Listing

You can decide to selectively allow the usage of USB Zip Drives on the basis of user name / serial number on device / device make or manufacturer while blocking the rest.

Click on the White List Button as shown.

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Block USB' section is highlighted with a red box. It contains two radio buttons: 'Block USB Drive' (selected) and 'Unblock USB Drive'. A 'White List' button is located to the right of the 'Unblock USB Drive' radio button. Other sections include 'Server' (IP Address: 192.168.1.1, Machine Name: Tornado), 'USB Drive Monitoring' (Disable USB Drive Monitoring For - Drive List), 'USB Drive Access' (Make USB Drive Read-only), 'Disable AutoRun' (Disable AutoRun checked), 'Save Energy Time' (Select the time: 30 min), 'System Shutdown Time (24 Hour Format)' (Time (Hr): None, Time (Min): None), 'Attachment' (Block Email Attachment Sending), 'Send Offline Message' (Send offline message(s)), and 'Other Devices' (Disable CD/DVD Drives, Disable Bluetooth Devices, Disable Modem Devices). An 'OK' button is at the bottom.

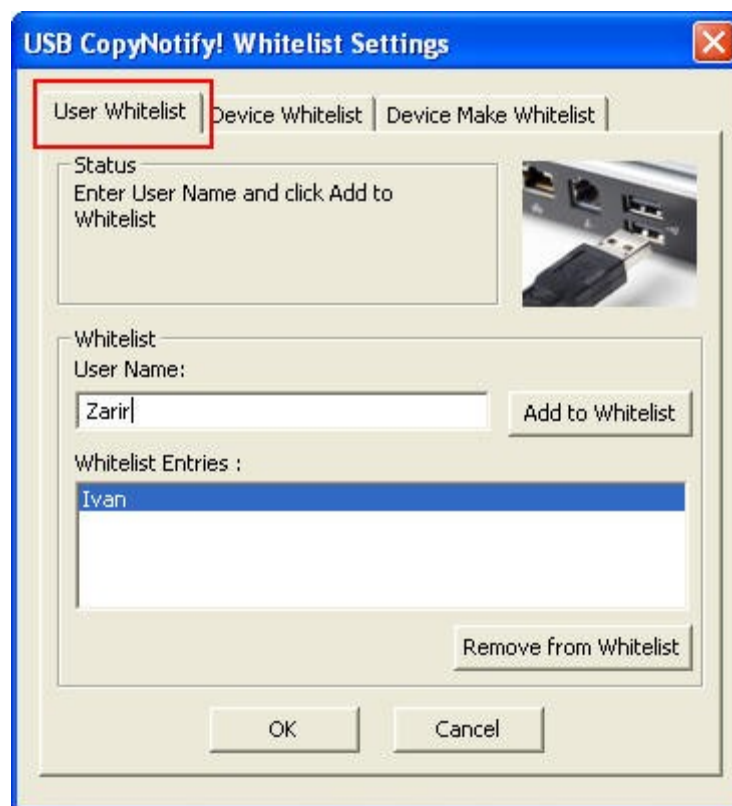


USB CopyNotify!

Client Configuration GUIDE

White Lists based on User Name

You can allow USB device access based on User Name by clicking on the 'User Whitelist' TAB.



You will need to type out the names of the Users that will be allowed USB Zip Drive usage and add them to the User Whitelist by clicking on the "Add to Whitelist" button. You can remove a User from the whitelist by selecting the user from the list and clicking on the "Remove from Whitelist" button.

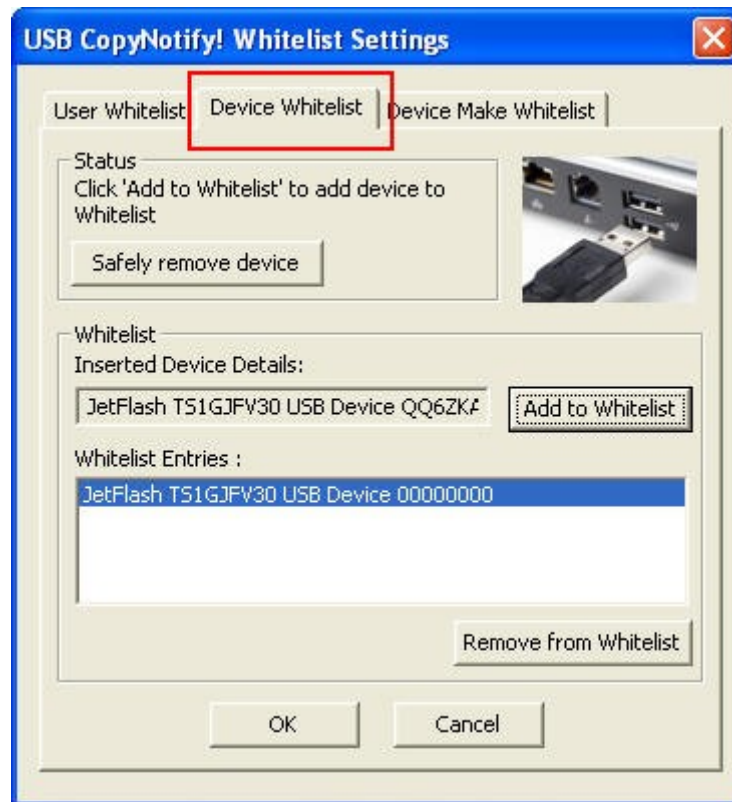
Hence with this setting, after enabling the USB Block feature, only the users in the whitelist will be allowed to access the device while the rest will be blocked.



USB CopyNotify!

Client Configuration GUIDE

White Lists based on USB Zip Drive Serial Number



You can allow USB device access based on device serial number by clicking on the 'Device Whitelist' TAB. You will need to first insert the USB Zip Drive that you wish to whitelist based on its serial number. Once inserted, the serial number will automatically appear in the 'Inserted Device Details Box'. You can then add these details to the Whitelist of USB device serial numbers by clicking on the 'Add to whitelist' button. You can remove a entry from the whitelist by selecting the entry from the list and clicking on the "Remove from Whitelist" button.

Hence with this setting, after enabling 'USB Blocking', the user will be able to access only the devices whose serial numbers appear in the Whitelist.

Note : After inserting the device, it is highly recommended that you click on the 'Safely Remove Device' button before removing the device. These is a possibility of corruption of data if volumes are not un mounted before removal of the device.

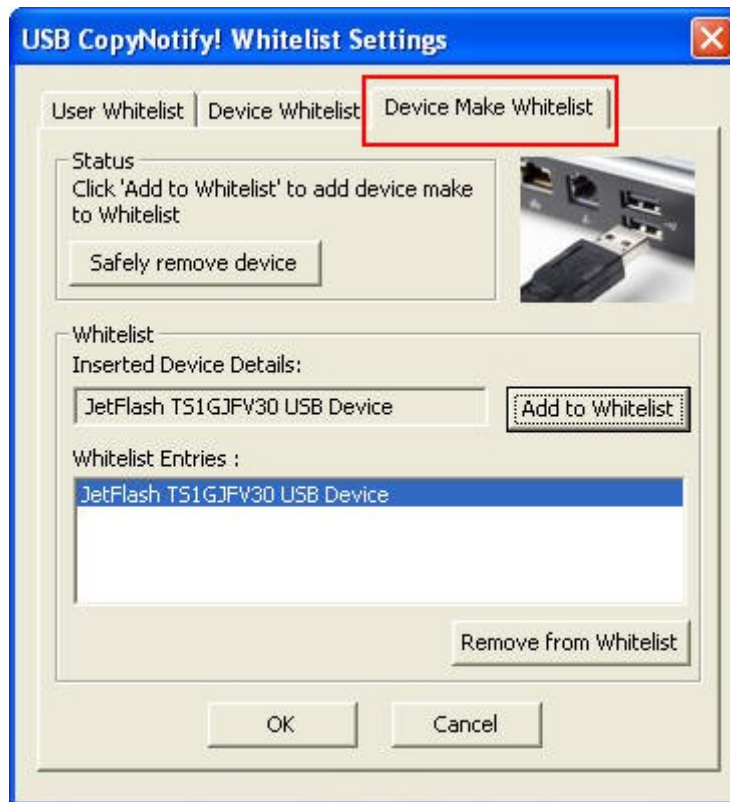


USB CopyNotify!

Client Configuration GUIDE

White Lists based on USB Zip Drive Device Make/Manufacturer

You can allow USB device access based on device make/manufacturer by clicking on the 'Device Whitelist' TAB.



You will need to first insert the USB Zip Drive whose 'Manufacturer/Make' you wish to whitelist. Once inserted, the 'Manufacturer/Make Details' will automatically appear in the 'Inserted Device Details'. You can then add these details to the Whitelist of 'USB Device by Manufacturer' by clicking on the 'Add to whitelist' button. You can also remove a entry from the whitelist by selecting the entry from the list and clicking on the "Remove from Whitelist" button.

Hence with this setting, after enabling 'USB Blocking', the user will be able to access only the devices whose 'Manufacturer/Make' details appear in the Whitelist.



USB CopyNotify!

Client Configuration GUIDE

Note :

After inserting the device, it is highly recommended that you click on the 'Safely Remove Device' button before removing the device. There is a possibility of corruption of data if volumes are not unmounted before removal of the device



USB CopyNotify!

Client Configuration GUIDE

Disable USB Drive Monitoring

A need might arise when you specifically do not wish USB CopyNotify! to monitor a specific drive letter as it might cause interference with other software.

Click on 'Disable USB Drive Monitoring for -' and then specify the drive by adding to 'Drive List'.

The screenshot shows the 'USB CopyNotify! Client Configuration' dialog box. The 'USB Drive Monitoring' section is highlighted with a red box. It contains the following options:

- USB Drive Monitoring
- Disable USB Drive Monitoring For -

Other sections in the dialog include:

- Server:** IP Address (192 . 168 . 1 . 1) Machine Name
- Block USB:** Block USB Drive Unblock USB Drive
- USB Drive Access:** Make USB Drive Read-only
- Disable AutoRun:** Disable AutoRun
- Save Energy Time:** Select the time: 30 min
- System Shutdown Time (24 Hour Format):** Time (Hr) 5 Time (Min) 20
- Attachment:** Block Email Attachment Sending
- Send Offline Message:** Send offline message(s)
- Other Devices:** Disable CD/DVD Drives Disable Bluetooth Devices Disable Modem Devices

An 'OK' button is located at the bottom center of the dialog.



USB CopyNotify!

Client Configuration GUIDE

Read / Write Access Control - USB Drive Access

You can now make all access to the data on the USB drive 'Read Only' ie no data can be written on the USB pen drive. Only data can be read / copied FROM it but data cannot be copied ONTO the USB pen drive. This feature further restricts the copying of confidential data onto USB pen drives.

USB Access can be controlled as shown the following figure :-

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'USB Drive Access' section is highlighted with a red box and contains the following settings:

- Make USB Drive Read-only

Other visible settings in the window include:

- Server:** IP Address (192 . 168 . 1 . 1) and Machine Name (Tornado).
- Block USB:** Block USB Drive, Unblock USB Drive, and a 'White List' button.
- USB Drive Monitoring:** Disable USB Drive Monitoring For - and a 'Drive List' button.
- Disable AutoRun:** Disable AutoRun.
- Save Energy Time:** Select the time (30 min).
- System Shutdown Time (24 Hour Format):** Time (Hr) (None) and Time (Min) (None).
- Attachment:** Block Email Attachment Sending.
- Send Offline Message:** Send offline message(s).
- Other Devices:** Disable CD/DVD Drives, Disable Bluetooth Devices, and Disable Modem Devices.

An 'OK' button is located at the bottom center of the window.



USB CopyNotify!

Client Configuration GUIDE

Disabling Auto Run

By default when an USB Pen drive is inserted into the computer it can automatically execute/run specified programs (if so configured) that are present on the USB drive. The running of these programs take place without your authorization and could be hazardous to your data, privacy and could introduce Malware / Viruses into the computer.

You can disallow / allow Auto Run as shown in the figure below

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Disable AutoRun' checkbox is checked and highlighted with a red box. Other settings include: Server (Machine Name: Tornado), Block USB (Block USB Drive selected), USB Drive Monitoring (Disable USB Drive Monitoring For - Drive List), USB Drive Access (Make USB Drive Read-only), Save Energy Time (30 min), System Shutdown Time (None), Attachment (Block Email Attachment Sending), Send Offline Message (Send offline message(s)), and Other Devices (Disable CD/DVD Drives, Disable Bluetooth Devices, Disable Modem Devices).



USB CopyNotify!

Client Configuration GUIDE

Configuring Save Energy Alert & Auto Shutdown

The Save Energy Alert is sent every time the computer has been idle for a specified period of time.

You can specify the System Idle time after which the Save Energy Alert will be sent as shown in the figure below.

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Save Energy Time' section is highlighted with a red box. It contains a dropdown menu labeled 'Select the time' with '30 min' selected. Other sections include 'Server' (IP Address: 192.168.1.1), 'Block USB' (Unblock USB Drive), 'USB Drive Monitoring' (Disable USB Drive Monitoring For), 'USB Drive Access' (Make USB Drive Read-only), 'Disable AutoRun' (checked), 'System Shutdown Time (24 Hour Format)' (Time (Hr): 5, Time (Min): 20), 'Attachment' (Block Email Attachment Sending), 'Send Offline Message' (Send offline message(s)), and 'Other Devices' (Disable CD/DVD Drives, Disable Bluetooth Devices, Disable Modem Devices). An 'OK' button is at the bottom.



USB CopyNotify!

Client Configuration GUIDE

Auto Shutdown

Using Auto Shut Down feature of USB CopyNotify!, you can automatically Shut Down the PC/Computer on the network at a predefined time. This helps in energy conservation as man a time PCs are left on, over night thus consuming unnecessary electricity.

You can set the Auto Shut Down time as show in the figure below

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Save Energy Time' section is highlighted with a red box. It contains a dropdown menu labeled 'Select the time' with '30 min' selected. Other sections include 'Server' (IP Address: 192 . 168 . 1 . 1), 'Block USB' (Unblock USB Drive), 'USB Drive Monitoring' (Disable USB Drive Monitoring For), 'USB Drive Access' (Make USB Drive Read-only), 'Disable AutoRun' (Disable AutoRun checked), 'System Shutdown Time (24 Hour Format)' (Time (Hr): 5, Time (Min): 20), 'Attachment' (Block Email Attachment Sending), 'Send Offline Message' (Send offline message(s)), and 'Other Devices' (Disable CD/DVD Drives, Disable Bluetooth Devices, Disable Modem Devices). An 'OK' button is at the bottom.



USB CopyNotify!

Client Configuration GUIDE

Offline Notifications

The USB CopyNotify! client can be configured such that it will log all USB activity notifications locally if the USB CopyNotify! Server is not available. Once the USB CopyNotify! Server is found again it will send notifications to the server indicating that there was USB Activity on that client during the span of time that the USB CopyNotify! Server was not active.

Select 'Send Offline Message(s)' as shown in the dialog box below.

The screenshot shows the 'USB CopyNotify! Client Configuration' dialog box. The 'Server' section has 'IP Address' selected with the value '192 . 168 . 1 . 1'. The 'Block USB' section has 'Unblock USB Drive' selected with a 'White List' button. The 'USB Drive Monitoring' section has 'Disable USB Drive Monitoring For -' with a 'Drive List' button. The 'USB Drive Access' section has 'Make USB Drive Read-only' unchecked. The 'Disable AutoRun' section has 'Disable AutoRun' checked. The 'Save Energy Time' section has 'Select the time' set to '30 min'. The 'System Shutdown Time (24 Hour Format)' section has 'Time (Hr)' set to '5' and 'Time (Min)' set to '20'. The 'Attachment' section has 'Block Email Attachment Sending' unchecked. The 'Send Offline Message' section has 'Send offline message(s)' checked and is highlighted with a red box. The 'Other Devices' section has 'Disable CD/DVD Drives', 'Disable Bluetooth Devices', and 'Disable Modem Devices' all unchecked. An 'OK' button is at the bottom.



USB CopyNotify!

Client Configuration GUIDE

Block Email Attachment Sending Via Webmail

This option enables you to disallow users from sending email attachments via Hotmail and Gmail.

Click / Enable 'Block Email Attachment Sending' as shown below:-

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Attachment' section is highlighted with a red box, indicating that the 'Block Email Attachment Sending' checkbox is checked. Other sections include 'Server' (IP Address: 192.168.1.1), 'Block USB' (Unblock USB Drive), 'USB Drive Monitoring' (Disable USB Drive Monitoring For), 'USB Drive Access' (Make USB Drive Read-only), 'Disable AutoRun' (Disable AutoRun), 'Save Energy Time' (30 min), 'System Shutdown Time' (5 Hr, 20 Min), 'Send Offline Message' (Send offline message(s)), and 'Other Devices' (Disable CD/DVD Drives, Disable Bluetooth Devices, Disable Modem Devices). An 'OK' button is at the bottom.

Gmail is a trademark of Google, Inc.
Hotmail and Windows Live are registered trademarks of Microsoft Corporation.



USB CopyNotify!

Client Configuration GUIDE

Disable CD / DVD Drives

You are allowed to disable the use of CD / DVD drives on the computer

Click on 'Disable CD / DVD Drives' as shown below :-

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Other Devices' section at the bottom contains three checked options: 'Disable CD/DVD Drives', 'Disable Bluetooth Devices', and 'Disable Modem Devices'. The 'Disable CD/DVD Drives' option is highlighted with a red rectangular box.

Note:

This feature is not available currently for 64 bit Operating Systems



USB CopyNotify!

Client Configuration GUIDE

Disable Blue Tooth Devices

You can disallow the use of any/all blue tooth devices trying to communicate with the computer.

Click on 'Disable Blue Tooth Devices' as shown below:-

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Other Devices' section at the bottom contains three checked options: 'Disable CD/DVD Drives', 'Disable Bluetooth Devices' (highlighted with a red box), and 'Disable Modem Devices'. Other sections include 'Server' (IP Address: 192.168.1.1), 'Block USB' (Unblock USB Drive), 'USB Drive Monitoring' (Disable USB Drive Monitoring For), 'USB Drive Access' (Make USB Drive Read-only), 'Save Energy Time' (30 min), 'System Shutdown Time' (5 Hr, 20 Min), 'Attachment' (Block Email Attachment Sending), and 'Send Offline Message' (Send offline message(s)). An 'OK' button is at the bottom.

Note:

This feature is not available currently for 64 bit Operating Systems



USB CopyNotify!

Client Configuration GUIDE

Disable Modem Devices

You can disallow the usage of both external / internal modems connected to the computer.

Click on 'Disable Modem Devices' as shown below:-

The screenshot shows the 'USB CopyNotify! Client Configuration' window. The 'Other Devices' section at the bottom contains three checked options: 'Disable CD/DVD Drives', 'Disable Bluetooth Devices', and 'Disable Modem Devices'. The 'Disable Modem Devices' checkbox is highlighted with a red rectangular box. Other sections include 'Server' (IP Address: 192.168.1.1), 'Block USB' (Unblock USB Drive), 'USB Drive Monitoring' (Disable USB Drive Monitoring For), 'USB Drive Access' (Make USB Drive Read-only), 'Disable AutoRun' (Disable AutoRun), 'Save Energy Time' (30 min), 'System Shutdown Time' (5 Hr, 20 Min), 'Attachment' (Block Email Attachment Sending), and 'Send Offline Message' (Send offline message(s)). An 'OK' button is at the bottom center.

Note:

This feature is not available currently for 64 bit Operating Systems



USB CopyNotify!

Client Configuration GUIDE

Completion of Configuration

Once all the configuration has been completed , click on 'OK' .

An alert will also be sent to the USB Copynotify! Server indicating that changes have been made to the USB CopyNotify! Client Settings.